

SOV/137-58-9-18293

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 10 (USSR)

AUTHORS: Suvorov, F.S., Kvaskov, A.P.

TITLE: The Concentration of Magnetite Ores of Northern Ural (Oboga-

shcheniye magnetitovykh rud Severnogo Urala)

PERIODICAL: Tr. N. -i. i proyektn. in-ta "Uralmekhanobr", 1957, Nr 1,

pp 98-105

ABSTRACT:

The results are given of the investigation of the feasibility of concentration of Fe ores from the Northern Ural originating at the Auerbakhovsk, Severo-Peschanskoye, Maslovo, and the 2nd Severnyy mines, which constitute the raw material base for the Serov metallurgical plant. The magnetite ores of the deposits enumerated contain magnetite, hematite, martite, limonite, pyrite, pyrrhotite, chalcopyrite, covellite, and sphalerite. The Fe content of the ore mass is 30 - 50%. According to the conditions of the plant the agglomerate should contain 55 - 58% Fe, up to 0.1% Cu and > 0.15% P. The dressing procedure developed includes the following main operations: a) crushing of the initial ore to 25(35) - 0mm and dry separation; b) wet magnetic separation for obtaining the

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The Concentration of Magnetite Ores of Northern Ural

Fe concentrate; c) apatite flotation to remove the phosphorus; d) sulfide flotation to obtain Cu and Cu-FeS<sub>2</sub> concentrate; d) magnetic control separation of the tailings of the flotation for supplementary extraction of Fe; e) agglomeration of the Fe concentrates. The results of the investigation of the feasibility of concentrating ores of the Northern Ural deposits are laid as the basis for the layout of the Serov ore-dressing plant.

1. Magnetite ores--Concentration 2. Magnetite ores--Test results

E. V.

Card 2/2

KVASKOV, A.P.

137-58-5-8729

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 2 (USSR)

AUTHOR:

Kvaskov, A. P.

TITLE:

Present State of the Iron-ore Concentrating Industry in the Ural Region and Ways for its Future Development (Sovremennoye sostoyaniye i puti razvitiya obogashcheniya zheleznykh rud na Urale)

PERIODICAL:

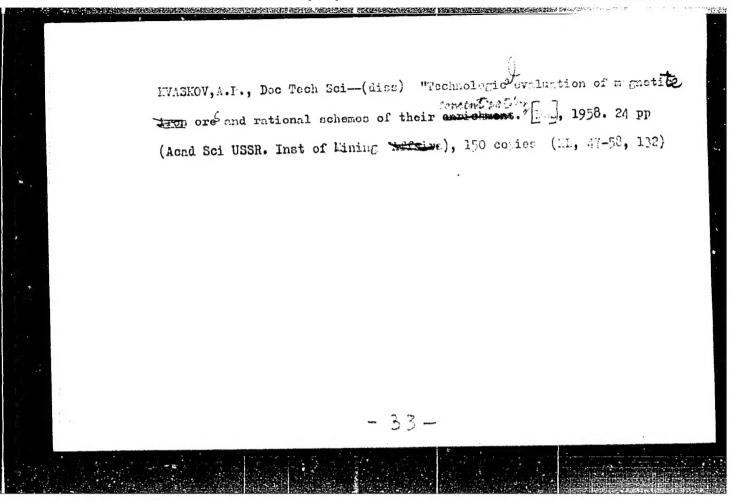
Byul.Gorn. o-va Sverdlovsk, 1957, Nr 3, pp 66-72

ABSTRACT:

Bibliographic entry

1. Iron industry--USSR 2. Iron ores--Processing

Card 1/1



SOV/137-59-2 2563 K

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 41 (USSR)

AUTHOR: Kvaskov, A. P.

TITLE: Technique and Procedures for Concentration of Iron Ores of the Mag-

netite Type (Tekhnologicheskaya kharakteristika i skhemy obogashche-

niya zheleznykh rud magnetitovogo tipa)

PERIODICAL: Vses. n.-i. i proyektn. in-t mekhan. obrabatki poleznykh isko-

payemykh, Nr 105, Leningrad, 1958, 159 pp, ill, r,10,00

ABSTRACT: Data on the practice of concentration of magnetite ores in the USSR

and abroad are examined and compared in the monograph. The fundamental laws governing the process of magnetic separation of strongly magnetic ores are developed and the principal experimental works on the study of the productivity and optimum procedure for wet and dry magnetic separators are correlated. Ways for perfecting the technique of concentrating magnetite ores are designated and substantiated. Rational flowsheets for concentrating Fe ores of the magnetite type

are examined in relation to the special properties of their material

composition.

Card 1/1

M.Z.

BATANOV, Aleksandr Ivanovich. Prinimali uchastiye: SYSOIYATIN, S.A., kand. tekhn. nauk; ARASHKEVICH, V.M.; KYASKOV, A.P., doktor tekhn. nauk, retsenzent; GHELEV, I.T., inzh., retsenzent; KRASNOV, G.V., inzh., retsenzent; NIKOIENKO, S.V., inzh., retsenzent; SOL'VAR, A.V., inzh., retsenzent; CHURIKOV, A.N., inzh., retsenzent; ROMANOVA, L.A., red. izd-va; BOLDYREVA, Z.A., tekhn. red.; PROZOROVSKIY, Ye.G., tekhn. red.

[Iron ore dressing] Obogashchenie rud chernykh metallov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 423 p. (MIRA 14: 9)

l. Obogatitel'nyye fabriki Gornogo upravleniya Magnitogorskogo metallurgicheskogo kombinata (For Gibelev, Krasnov, Nikolenko, Sol'var, Churikov)

(Ore dressing)

DMITRIYEV, Yu.G.; IZMODENOV, A.I.; IZMODENOV, Yu.A.; KVASKOV, A.P.

NAGIRNYAK, F.I.

Magnetizing roasting of Lisakovskoys deposit ores without a reducing agent. Gor zhur. no. 6:57-60 Je '61. (MIRA 14:6)

(Rustanay region—Iron ores)

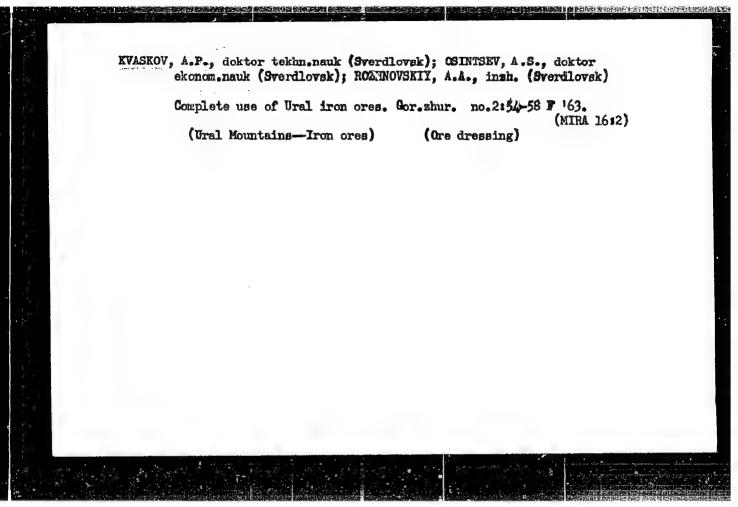
(Ore dressing)

TOMCHUK, V.S., inzh.; KVASKOV, A.P., doktor tekhn.nauk

Conditions of separating mineral particles in heavy suspension in a hydraulic cyclone. Izv. vys. ucheb. zav.; gor. zhur. 5 no.3:154-158 162. (MIRA 15:7)

l. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki poleznykh iskopayemykh.

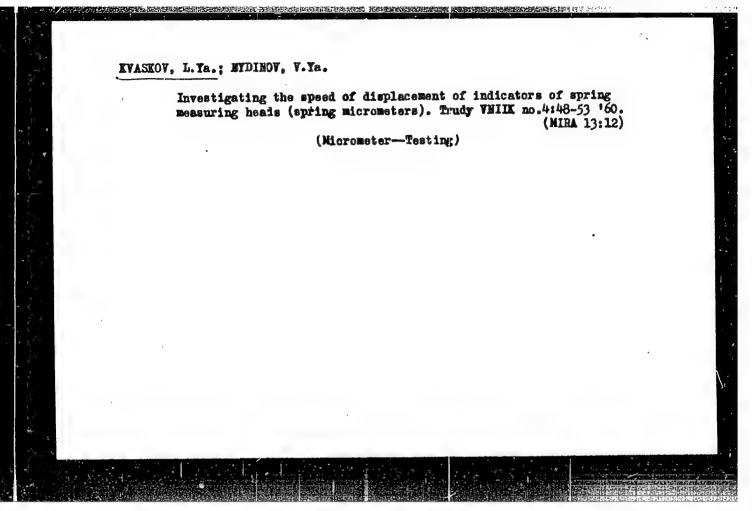
(Separators (Machines))



EVASKOV. L., student.

Differential formulas of rectangular coordinates in Gauss's projection.
Trudy MIIGAIK no.20:35-44 \*55. (HERA 10:1)

1.Moskovskiy instutut inzhenerov geodesii, aerofotos yemki i kartografii, Kafedra vysshey geodesii. (Hap projection)



ACC NR: AP7002702

SOURCE CODE: UR/0115/66/000/012/0005/0007

AUTHOR: Kvaskov, L. Ya.

ORG: none

TITLE: Evaluation of luminous intensity in a two-beam interferometer

SOURCE: Izmeritel naya tekhnika, no. 12, 1966, 5-7

TOPIC TAGS: interferometer, two beam interferometer,

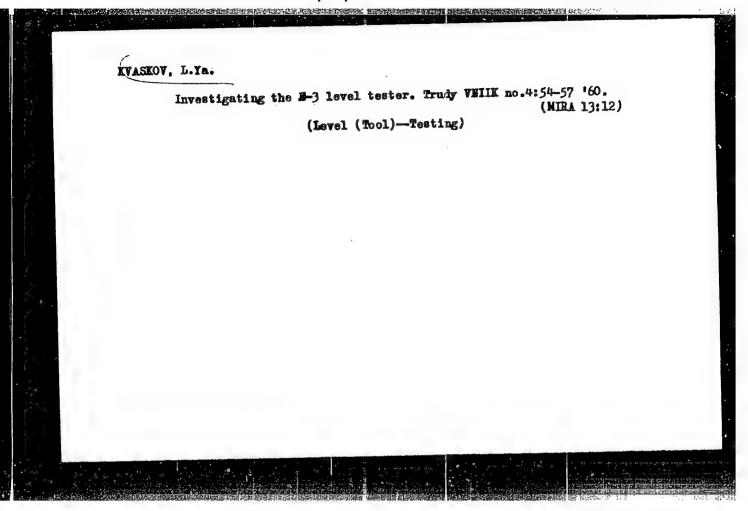
ABSTRACT: The evaluation of the luminous intensity of the flux entering a photomultiplier is necessary when the latter is used for recording interference patterns. A two-beam interferometer with a semitransparent plate is considered. Based on the J. Peters approach (Mesures, 1962, no. 296), the attenuation of the luminous flux in the interferometer system is calculated, and a formula for the luminous flux entering the photomultiplier is derived; it shows that the modulation of this flux entering the photomultiplier is derived; it shows that the modulation of this flux entering the photomultiplier is derived; it shows that the modulation of the photodetector depends not only on the contrast factor but also on the width of the photodetector slit. The half-width of the spectral line used affects both: (a) the smaller band slit. The half-width of the spectral line used affects both: (a) the smaller band contrast associated with greater path difference of component beams and (b) the contrast luminous intensity of the interference pattern. Orig. art. has: 2 figures and 19 formulas.

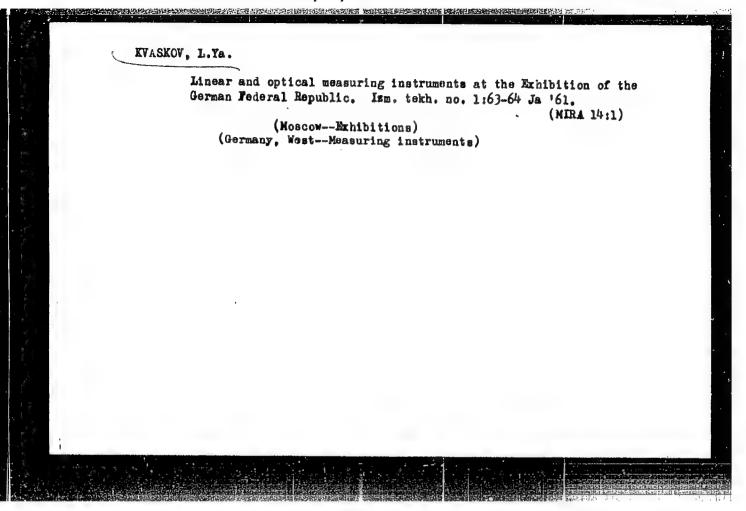
SUB CODE: 20 / SUBM DATE: 10Apr66 / ORIG REF: 001 / OTH REF: 001

**Card** 1/1

535.411.001.5:531.71

5/0115/64/000/008/0016/0019 1 13618-65 ACCESSION NR: AP4046787 AUTHOR: Kvaskov, L. Ya. TITLE: Low-range reversible counter of interference SOURCE: Izmeritel'naya tekhnika, no. 8, 1964, 16-19 TOPIC TAGS: interference band, interference band counter ABSTRACT: An outlit with a reversible interference-band counter having a 50-band range and one-band error was developed. The use of single-stage FEU-2 photomultipliers permitted eliminating the high-voltage supply. The relative shift of the two sets of interference bands by a quarter-period is performed by adjusting the slit position. A 40-my input signal can operate the electron-tube amplifier. The optical system, photomultiplier system, and the binary counter proper (6 electron-tube counting sections) are described in some detail. Orig. art. has: 4 figures and 6 formulas. ASSOCIATION: none ENCL: 00 SUBMITTED: 00 OTHER: 001 NO REF SOV: 002 SUB CODE: EC. OP Card 1/1





L 33547-65 EWG(])/EWA(k)/FBD/EWT(])/EEG(k)-2/REC(t)/T/EEC(b)-2/FMP(k)/EWA(m)-2/EWA(h) Pn-4/Po-4/Pf-4/Peb/Pi-4/Pl-4 LJP(c) WG

ACCESSION NR: AP5009239

8/0115/65/000/001/0050/0053

AUTHOR: Grin, G. L.; Kvaskov, L. Ya.

TITLE: An exhibition -- Fifteen years of the German Democratic Republic

SOURCE: Izmeritel'naya tekhnika, no. 1, 1965, 50-53

TOPIC TAGS: gas laser, solid state laser, laser/ ZGL 900 laser, EFL 750 laser

Republic, "held in Moscow from 3 October to 1 November 1964, featured two East German lasers. The ZGL-900 gas laser consists of a cavity, a high-frequency oscillator, and a power supply. The operating wavelength is 1, 153 H, and the quartz-stabilized oscillator delivers from 2 to 80 waits in steps at 40,65 Mc. The unit includes multilayer plane and hemispherical mirrors (R \* 1 m and R \* \omega, respectively) with a reflection coefficient of about 99%. The mirrors are mounted on and ajusted by 4 invar rods. The laser head with oscillator is 1090 x 130 x 500 mm and the power supply unit is 405 x 210 x 305 mm. Total weight is 30 kg.

Card 1/2

ACCESSION NR: AP5009239  The ZFL-750 solid-state of a device for drilling and 50 mm long and 3-7 mm i	inspecting small hole n diameter. Its xeno	es. The laser ro	d is 45 to
a 1000—3000-v power supp pulses per sec. Thelaser supply unit is 350 x 430 x 6 laser resonators for six di were shown separately.	dy. The air-cooled lines is $140 \times 120 \times 140$ mm. Total weigh	aser yields from 80 mm and the p t is 80 kg. Solid	3 to 12/ ower -state
ASSOCIATION: none			
SUBMITTED: 00	ENCL: 00	SUB	CODE: EC
SUBMITTED: 00  NO REF SOV: 000	ENCL: OO		CODE: EX

KVASMAN, M. G.

Vliianie fosfora na usadku chuguna i obrazovanie treshchin v otbelennoi chasti chugunnykh koles Gri ffina. (Vestn. Mash., 1948, no. 4, p. 42-46)

Effect of phosphorus on the shrinkage of cast iron, and formation of cracks in the chilled part of Griffin wheels.

DIC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SOV/137-57-10-19268

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 118 (USSR)

AUTHORS: Begun, B.Ye., Kvasman, M.G., Yudin, Ye.I.

TITLE: Experiences in the Making of Cast-iron Crankshafts for Main-

line Diesel Locomotives (Opyt izgotovleniya litykh chugunnykh

kolenchatykh valov dlya magistral'nykh teplovozov)

PERIODICAL: Tekhnologich, transp. mashinostroyeniya, 1957, Nr 2, pp

12-18

ABSTRACT: The casting of crankshafts for the 2000-hp D-100 Diesel has

been perfected at the Khar'kov Transportation Equipment Plant. Shafts weighing 1740 and 1490 kg are cast from pig iron of the following % contents: C 2.2-2.4 and alloyed Mo 1, Cr 0.6 and Ni 1. On rupture,  $\sigma_{b(tension)} > 35 \text{ kg/mm}^2$  and  $\sigma_{b(bending)} > 70 \text{ kg/mm}^2$ . Utilization of metal when the blank is cast is close to 47%, while only 14% of the metal can be used in forging. Horizontal pouring is recommended in single-unit production, as inclined and vertical pouring require the construction

of pouring fixtures, although they do increase the yield by 50% relative to horizontal and reduce machining to a minimum. The

Card 1/2 optimum pouring temperature is 1360-1370°C. A thermit

TOTAL STREET THE SECTION OF THE SECT SOV/137-57-10-19268 · Experiences in the Making of Cast-iron Crankshafts (cont.) mixture is poured over the risers. The blanks are heat-treated after roughing to relieve stress. Gamma-radiation is used to inspect for internal faults. Card 2/2

CIA-RDP86-00513R000928310013-4" APPROVED FOR RELEASE: 06/19/2000

SOV/128-59-6-2/25

18(5)

Kvasman, M.G., Zav'yalov, A.M. and Tunik, A.A., Engi-

neers

TITLE:

AUTHOR:

Some Factors Affecting the Quality of Cast Iron Crank-

shafts

PERIODICAL:

Liteynove Proizvodstvo, 1959, Nr 6, pp 4-5 (USSR)

ABSTRACT:

Pouring of crankshafts for diesel engines is a complicated process. In the following, several test results obtained by the working group of a metallurgical plant during 1958 are published. They were made to find the reasons for damage to the individual components of the crankshafts in connection with their design and their chemical properties. These defects or damages are: blisters and porous areas, the appearance of which is linked to their heat treatments. Diesel engines of the type 2 D 100 have two crankshafts: the lower one with a length of 3.860 mm (weight 1.740 kg), and the upper one with a length of 3.750 mm (weight 1.490 kg). (a drawing of the crankshaft is given on page 3 of this perio-

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SOV/128-59-6-2/25

Some Factors Affecting the Quality of Cast Iron Crankshafts

dical). It is a crankshaft made from alloyed cast iron (alloyed with Mo, Ni, Cr, etc.). (At this time the plant is carrying out experiments to produce such crankshafts from magnesium type cast iron). The defects appearing have been observed at this plant for over a year. From one table it is clear that not one single bearing area of the connecting rods big end bearings has been without defect. The number and the location of the defects differ at the different big end bearings To demonstrate that not the temperature of pouring, but the chemical properties of the casting material have been the reasons for such defects, a crankshaft had been produced from sulpherous cast iron of the type S Ch 21-40. Neither blisters nor porous areas had been detected on this casting. In 1957, the observations showed that the number of the defects increased with the increase of the C and Si (especially C 3 Si) contents of the material. One table lists the results of the observations during 1957 and 1958 for comparison.

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Some Factors Affecting the Quality of Cast Iron Crankshafts

There are 3 tables, 1 diagram and 3 graphs.

Card 3/3

S/128/60/000/010/007/016/XX A033/A133

AUTHORS:

Kvasman, M. G.; Tunik, A. A., and Begun, B. Ye.

TITLE:

Casting large diesel engine crankshafts

PERIODICAL: Liteynoye proizvodstvo, no. 10, 1960, 13 - 15

The authors report on the manufacture of cast iron crankshafts for the A 100 (D 100) diesel locomotive engine, which has 10 connecting rod journals and 12 crank journals. All journals are hollow and the crankshafts are fabricated according to a technology described by B. Ye. Begun et al. [Ref. 1: "Tekhnologiya transportnogo mashinostroyeniya", no. 2, 1957], M. G. Kvasman et al. [Ref. 2: "Liteynoye proizvodstvo, no. 6, 1959] and M. R. Rotenberg, V. I. Soldatenko. [Ref. 3: "Liteynoye proizvodstvo, no. 6, 1959]. To eliminate some essential technological deficiencies of the cast crankshafts, of which the most important one is the origination of black spots as a result of non-metallic sulfide inclusions, investigations were carried out in which A. A. Novik, L. D. Dobrynina, S. F. Krivtsov and V. I. Korsakov participated. To increase the productivity in big-loi production two orankshafts were cast in one flask of 5,360 x 1,100 x 400 mm, instead of Card 1/3

Casting large diesel engine crankshafts

S/128/60/000/010/007/016/XX A033/A133

one crankshaft in 5,360 x 900 x 400 mm flasks. The molds were rammed with the 296M sandslinger. These measures resulted in a cut in labor consumption of molding and assembling operations of 25% and a saving of 1.5 m² molding sand per crankshaft. In order to eliminate the cutting off of shrinkage heads narrowed diaphragms and easily removable shrinkage heads were used. The diaphragms were roasted in a reducing atmosphere in metal containers. The cast iron is smelted in a 5-ton acid electric furnace with a solid charge consisting of 30 - 50%  $\Pi$ BK(PVK) forge iron, 20 - 30% LK3 and LK4 -  $\Gamma$ OCT (GOST) 4832-58 foundry iron, 15 - 20% carbon steel scrap and up to 40% shaft waste. The mechanical properties of the crankshafts should be as follows:  $\delta_{\rm end} > 45 \ {\rm kg/mm}^2$ ,  $\delta > 1.0\%$ , and HB in the range of 207 - 302. Up to 30% ferrite and 8% cementite are allowed in the microstructure. Without any special heat treatment and after the treatment with magnesium and modification with 75% ferro-silicon the cast iron should contain: 2.8 - 3.2% C; 2.2 - 2.6% Si; 5.3 - 5.7% (C+Si); 0.5 - 0.9% Mn;  $\leq$  0.10% P;  $\leq$  0.025% S;  $\leq$  0.25% O2;  $\leq$  0.4% N2 and 0.025 - 0.1% Mg. An increase in the pouring temperature to 1,370°C and higher made the non-metallic inclusions, causing the origination of black spots, float up to and concentrate near

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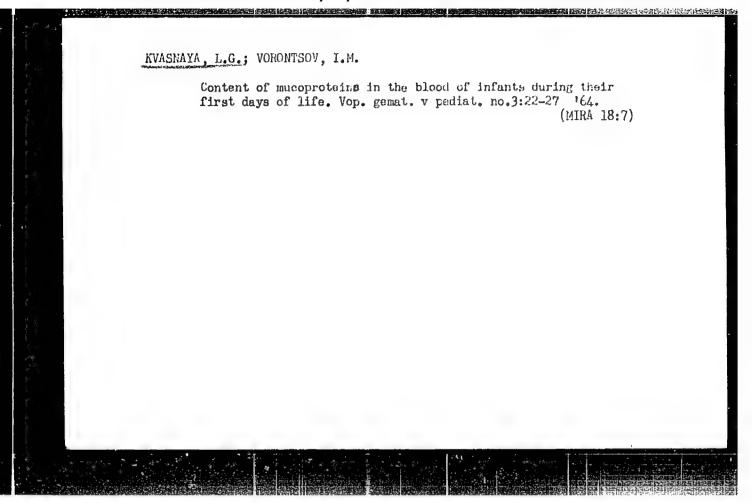
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S/128/60/000/010/007/016/XX A033/A133

Casting large diesel engine crankshafts

the surface, where they could be eliminated during the roughing operation. Magnesium is added in quantities of 0.55% (28 kg per 5 tons of cast iron), while the cast iron is modified with 1.1 - 1.3% (of the weight of the liquid metal) of 75% ferro-silicon. The authors comment upon the optimum modification technology and point out that the results of the mechanical processing and investigations of mechanical properties have shown that the addition of gray cast iron and the recasting of the cast iron caused an increased origination of black spots. When the cast iron was treated with oryolite (of the grades K1 and K2 TeMTU 952-41) which was added together with the magnesium, the black spots were eliminated and a stable level of mechanical properties was obtained. There are 8 figures and 6 Soviet-bloc references.

Card 3/3



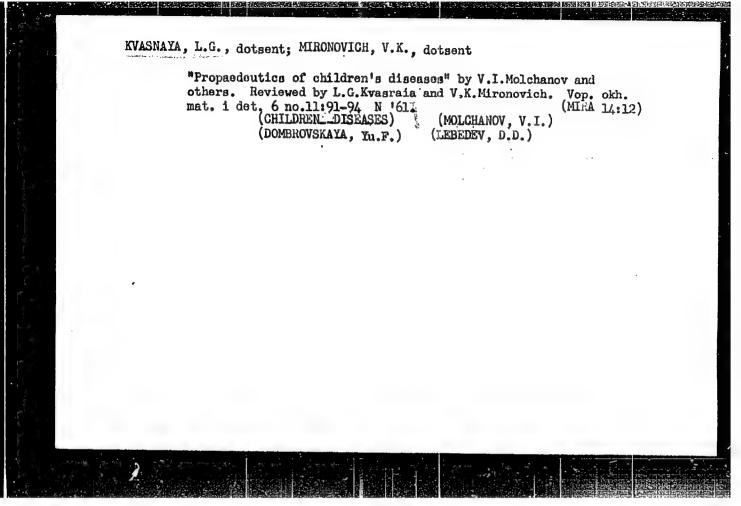
KVASNAYA, L.G.

Routes of penetration of infection in newborn infants. Vop. okhr. mat. 1 det. 6 no. 1:59-64 Ja '61. (MIRA 14:4)

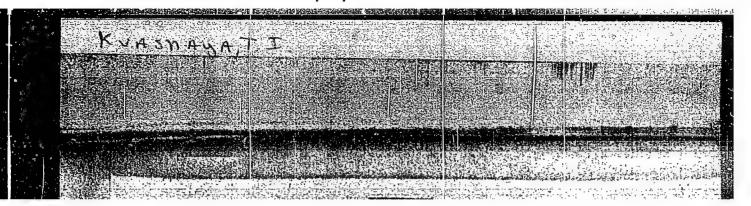
1. Iz kafedry gospital'noy pediatrii (zav. - prof. A.F. Tur)

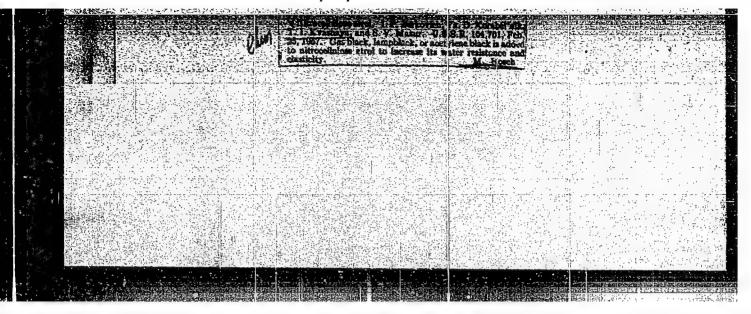
Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - kand.meditsinskikh nauk Ye.P. Semenova).

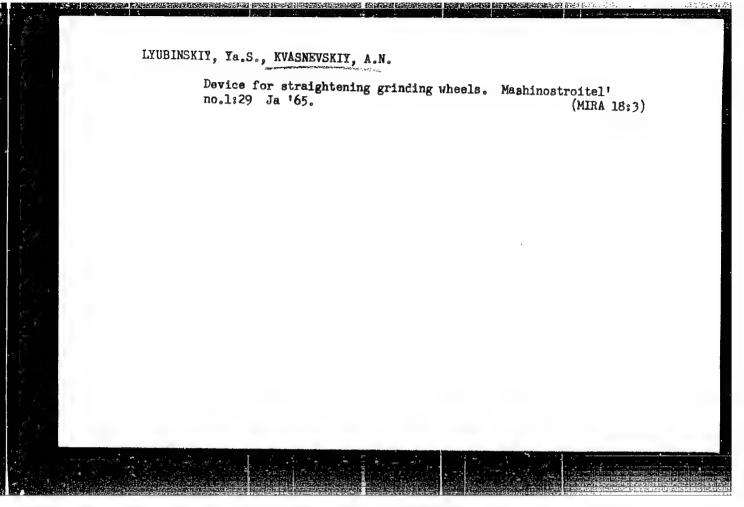
(INFANTS (NEWBORN)) (INFECTION)



# Diagnosis and treatment of sepsis in infants. Vop. okh. mat. i det. 7 no.1:15-21 Ja '62. (MIRA 15:3) 1. Iz kafedry gospital'noy pediatrii (zav. - deystvitel'nyy chlen ANN SSSR prof. A.F. Tur) leningradskogo pediatricheskogo meditsinskogo instituta (dir. - doteent Ye.P. Semenova). (INFANTS (NEWBORN)—DISEASES)







KVASNICKA, Jan

Absorbed power of rotary agitators of liquids. Chem prum 14 no.5: 230-235 My '54.

1. Research Institute, Kralovopolske strojirny, Brno.

CERNOCH, Zdenek; KREN, Vitezslav; KVASNICKA, Jiri; SLEZAK, Premysl

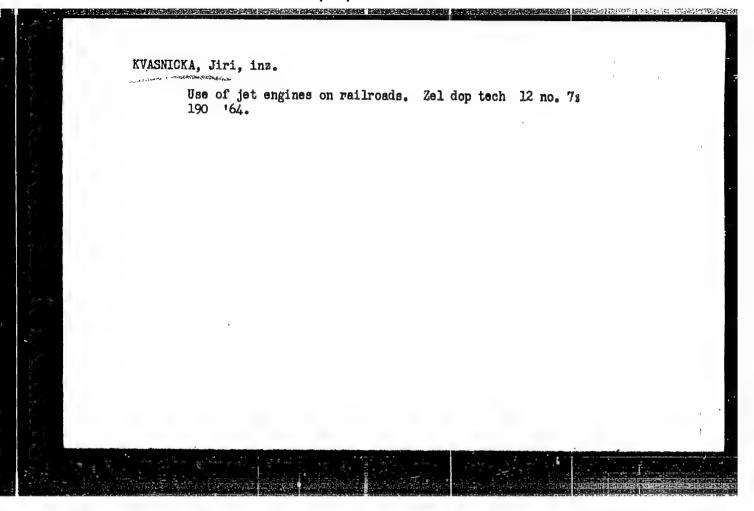
The significance of lumbar aortography in hypertensive patients.
Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:155-159 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a I. interni klinika (prednosta: prof. MUDr. F. Cernik) Karlovy University v Hradci Kralove.

KRCH, Vaclav; ERBEN, Josef; GROH, Jindrich; BARTOS, Vladimir; KVASNICKA, Jiri; BALCAR, Zdenek

The course of hemodialysis in elderly patients with acute renal failure. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:397-408 '64.

1. I. interni klinika (prednosta: prof. MUDr. F. Cernik), Karlovy University v Hradci Kralove.



KVASNICA, CZECHOSLOVAKIA/Nuclear Physics - Penetration of Charged and Neutral C Particles Through Matter. : Ref Zhur Fizika, No 1, 1960, 601 Abs Jour : Kvasnica, Josef Author Inst Theory of Cherenkov Radiation Title : Pokroky mat., fys, a astron., 1959, 4, No 3, 302-Orig Pub : No abstract. Abstract Card 1/1

06633

AUTHOR:

Kvasnica, Josef

CZECH/37-59-5-9/13

TITLE:

New Attempts Towards a Universal Theory of Elementary

Particles

PERIODICAL:

Československý časopis pro fysiku, 1959, Nr 5

pp 527 - 546

ABSTRACT: This is a review article. The paper sums up the successes and difficulties of the theory of elementary particles and different attempts at memoving these difficulties. Particular

attention is paid to Heisenberg's last papers on a spinor

model of elementary particles.

There are 65 references, 14 of which are Czech, 27 English,

9 Soviet, 1 international and 14 German.

Fakulta technické a jaderné fysiky, Praha ASSOCIATION:

(Faculty of Technical and Nuclear Physics, Prague)

SUBMITTED:

March 17, 1959

Card 1/1

81757 Z/037/60/000/04/010/014 E073/E535

24,6510

AUTHOR: Kvasnica, Jozef

TITLE: Electromagnetic Structure of Nucleons 19

PERIODICAL: Československý časopis pro fysiku, 1960, No 4,

pp 333-348

ABSTRACT: This is a review paper. It is stated that the greatest progress was achieved in studying the scatter of fast electrons (E > 100 MeV), particularly due to the efforts of a group directed by R. Hofstadter (Refs 1 to 3). The author does not deal with the technique of their experiments since they do not present anything basically new but he deals in the first instance with the theoretical assumptions on which the interpretation of these experiments is based. In the conclusions it is stated that the accuracy of experiments relating to the scatter of fast electrons on nucleons is inadequate for enabling an unequivocal choice between the various nucleon models. From theoretical analysis it is obvious that the existence

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Card 1/2 of a nucleon nucleus permits natural elucidation of

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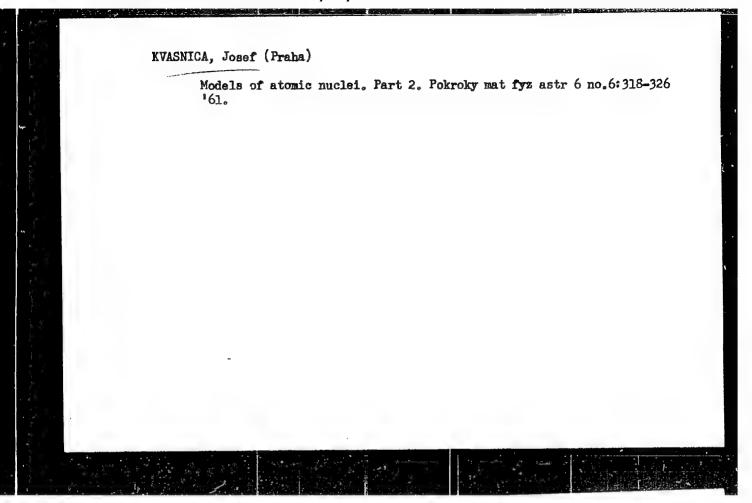
Electromagnetic Structure of Nucleons

certain apparently paradoxical results (equal magnetic but differing electrical structure of protons and neutrons) and, furthermore, it provides satisfactory quantitative agreement. For this reason the author did not analyse various speculative explanations of the small electric radius of electrons. The consistency between the electric and magnetic dimensions of the nucleon seems to indicate that in the given range of energies, E 2 500 MeV, the deviations from the laws of quantum electrodynamics are not decisive. Acknowledgments are expressed to Corresponding Member of the Czechoslovak Academy of Sciences Professor Doctor V. Votruba for useful discussions and comments, to the Pro-Dean of the Department of Technical and Nuclear Physics, Doctor C. Sc. L. Valenta for critical comments and to Assistant Card 2/2 A. Vancura for drawing the graphs. There are 9 figures

and 30 references, 3 of which are Soviet, 1 German and 26 English

ASSOCIATION: Fakulta technické a jaderné fysiky, Praha (Department of Technical and Nuclear Physics, Prague)

SUBMITTED: February 9, 1960



# "APPROVED FOR RELEASE: 06/19/2000

Z/028/62/000/004/001/002 1037/I237

AUTHOR: Kvasnica, Josef, Prague

TITLE: The electromagnetic structure of etomic nuclei and nucleons

PERIODICAL Pokroky matematiky fysiky astronomie, no. 4, 1962, 210-222

TEXT: Theoretical considerations are given for the experimental investigation of the electromagnetic structure of atomic nuclei and nucleons with the help of high energy electrons ( $\varepsilon$  greater than 200 M.e.v.). The scattering of electrons by a nucleus carrying a neutralised electrical charge is given by

$$d\sigma = d\sigma_n [F(q)^2]$$
 (11)

where do is the differential cross-section for elastic scattering of electrons and  $d\sigma_n$ , the Mott's differential active cross section is a function of the electron energy. The factor  $F(q)_n$  obtained from the equation is then used for determining the charge density. Equation is not adequate for the scattering by nucleons. Here a further term for scattering due to the magnetic dipole is added. The scattering done by Hofstadter's experiments on  $He_2^4$ ,  $C_6^{12}$ ,  $O_8^{16}$  and  $Co_{20}^{40}$  show a very good agreement with the Slupkovy (pillar) model of a nucleus. In the case of heavier nuclei, the charge distribution can be described by a two parameter division. Experiments with nucleons show that the electromagnetic structures of protons and neutrons are different. Plots

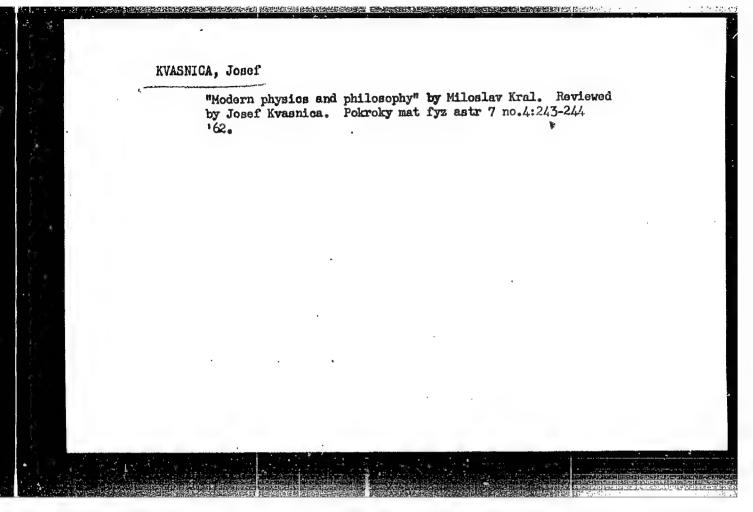
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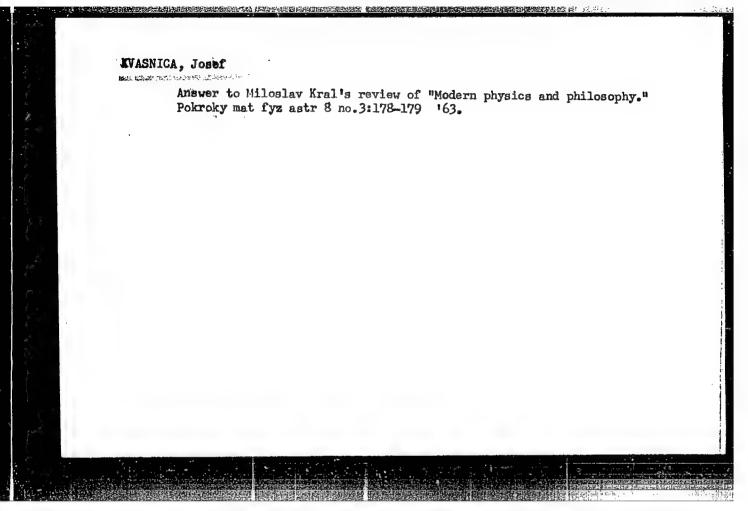
The electromagnetic structure...

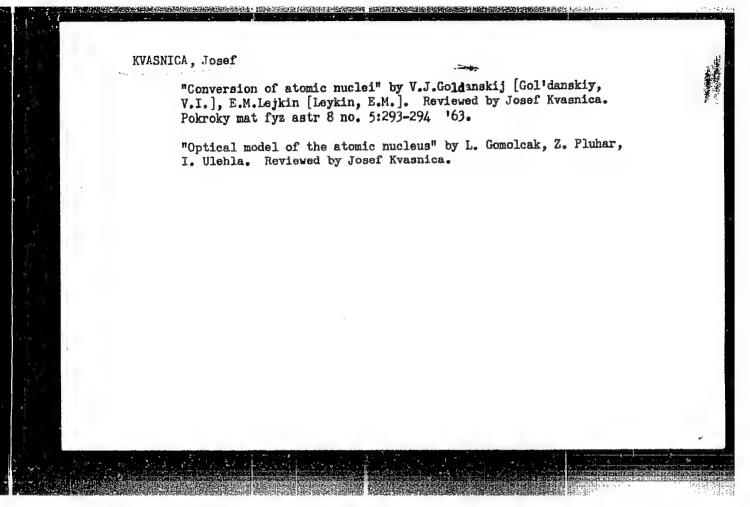
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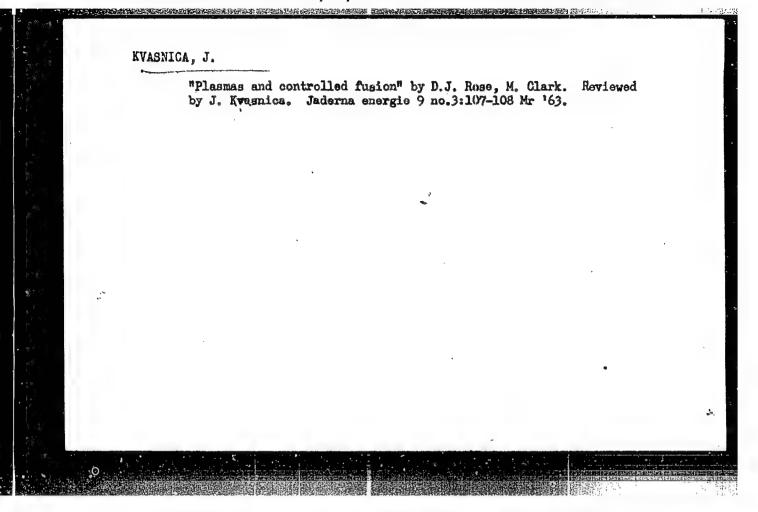
of distributions of charge in neutrons, protons and their nucleons are given. The existence of nucleons allows for an equal magnetic structure but a different electric structure of protons and neutrons. There are 5 figures and 11 references, including: Hofstadter, R., Rev. Med., Phys. 28, (1956) 214; Yearian, M. and Hofstadter, R. Phys. Rev. 111, (1958) 934; Sobotka, S., Phys. Rev. 118, (1960) 831; Rabi, I., Phys. Rev. 82, (1951) 345.

Card 2/2









ACCESSION NR: AP4017074

z/0028/64/000/001/0018/0028

AUTHOR: Kvasnica, Josef (Prague)

TITLE: Nuclear forces

SOURCE: Pokroky matematiky, fyziky a astronomie, no. 1. 1964, 18-28

TOPIC TAGS: meson theory, nuclear force

ABSTRACT: The author outlines the basic methods by which information on nuclear forces is derived, and the present state of the meson theory of nuclear forces. He finds that the meson theory of nuclear forces leads to a qualitative explanation of all the known properties of nuclear forces. At present, there is not one experiment known which would contradict the meson theory. However, it has not yet been possible to determine the interaction law which would make possible a correct quantitative evaluation of all the experimentally known manifestations and results of the muclear forces. All the results of the meson theory have been derived only in terms of the roughest approximations of the disturbance theory. Since the nuclear forces are not weak, it is not at all clear whether the development of the disturbance theory converges, i. e., whether it has any

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APPROVED FOR RELEASE: 06/19/2000

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#### ACCESSION NR: AP4017074

mathematical significance. No other calculation method is known at present. There are many other complications. During the interaction of the high-energy nucleons, new particles are formed; but, at present, there is practically no information on their affect on the nuclear forces. It is concluded that the problem of nuclear forces will probably only be solved after the formation of a general theory of these elementary particles. Orig. art. has: 3 figures and 25 formulas.

ASSOCIATION: none

SUPMITTED: 00

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: NS

NO REF SOV: 000

OTHER: 002

Card 2/2

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VECHET, Pavel; STACH, Ladislav; KVASNICKA, Josef

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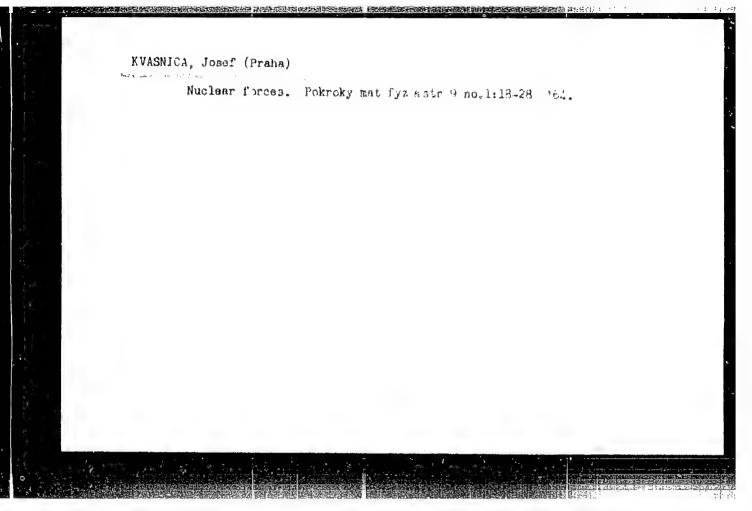
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311-314 Ag '65.

1. Radiologicka klinike, ustav patologicke anatomie, I. interni a urologicka klinika lekarske fakulty Karlovy University v Hradci Kralove, CSSR.



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Vol. 6, No. 19, Oct. 1956 MERCHANISAGE ZEMEDELSTVI AGRICULTURE Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 3, March 1957

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SO: Monthly List of East European Accessions (HEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

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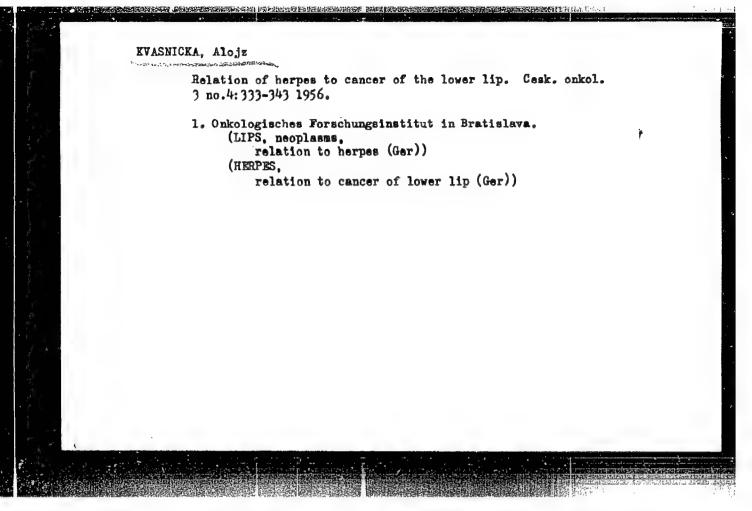
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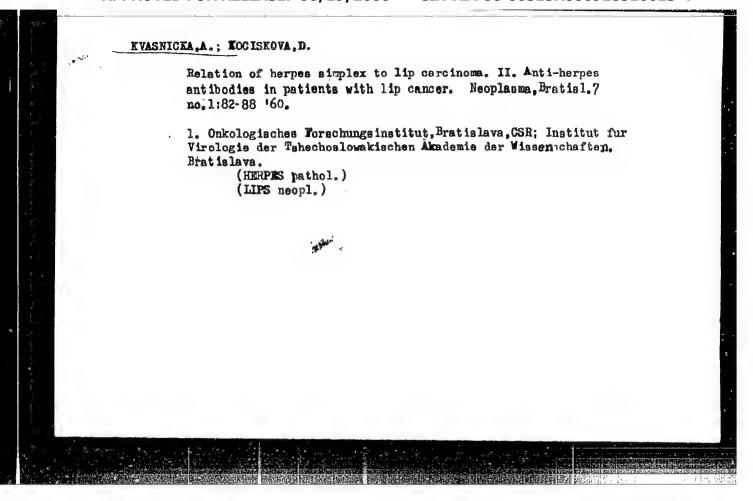
Author : Tesarek, Tibor; Kvasnicka, Alojz Inst : Bratislava Institute of Oncology Title : Mammary-Gland Carcinoma by Men.

Orig Pub : Neoplasma, 1957, 4, No. 2, 170-172

Abstract: A survey of statistics of mammary-gland carcinoma in men according to data of the Bratislava Institute of Oncology for the period of 1946-1954. Individual cases are described. The problem of the clinical picture, methods of treatment and factors which play a part in the

etiology of the given diseases are examined.

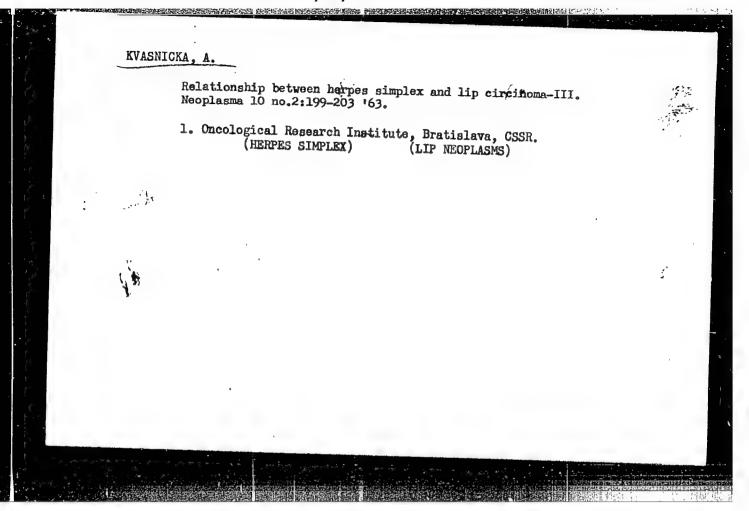
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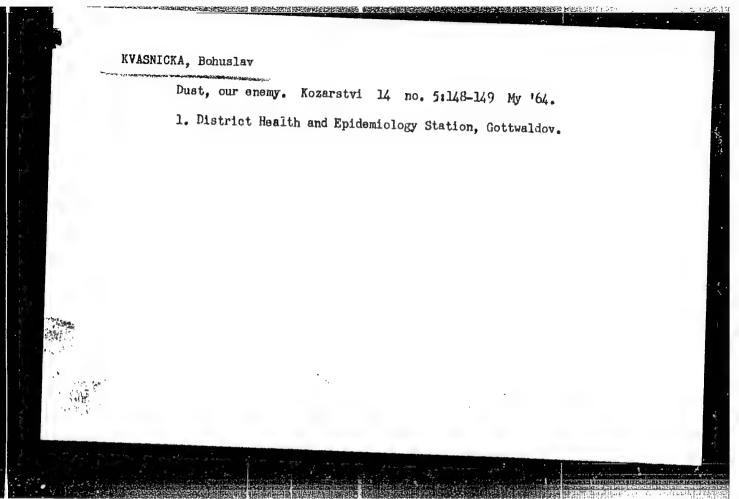
KVASNICKA, A.

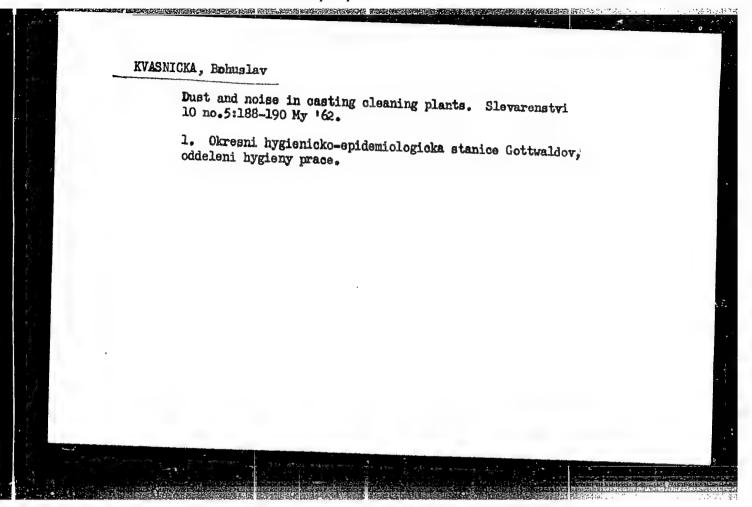
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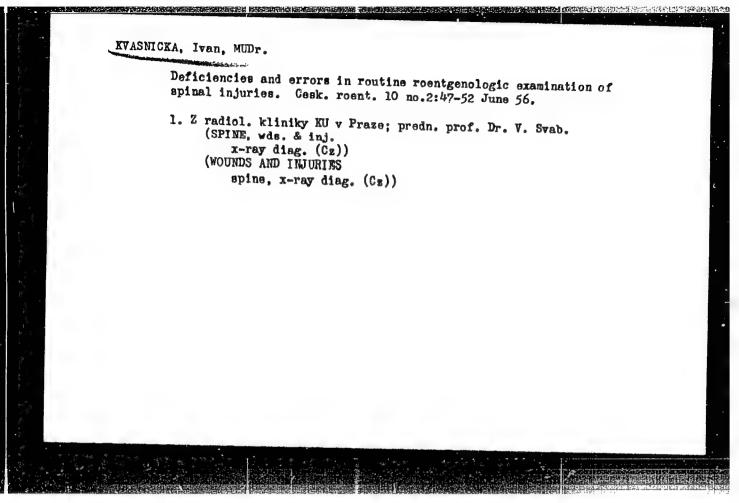




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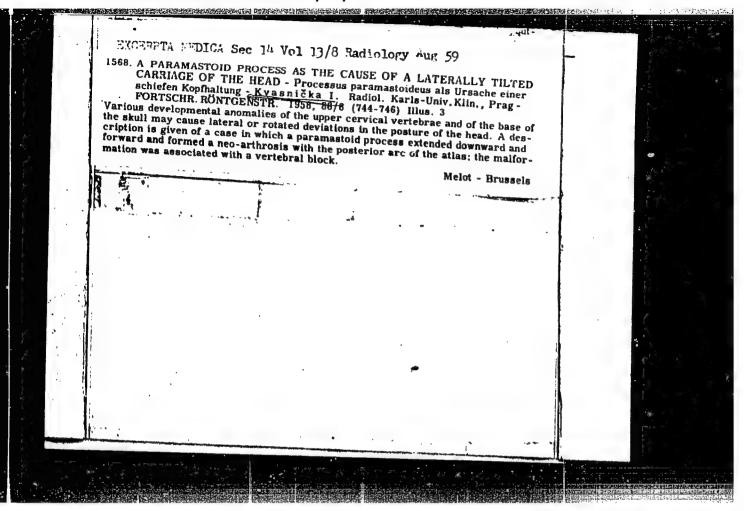
l. Radiologicka klinika fakulty vseobecneho lekaratvi university Karlovy v Praze, prednosta prof. Dr. Vaclav Svab.

(OGCIPITAL BONE, a norm.

paramastoid process causing permanent lateroflexion & rotation of head with limited dorsal flexion in atlanto-occipitol joint)

(HRAD

permanent lateroflexion & rotation caused by paramastoid process with limited dorsal flexion in atlanto-occipital joint)



TVASNICKA, Ivan (Praha 12, Vinohrady, Inzicka 30.)

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VLCEK, J.; VACEK, J.; KVASNICKA, I.

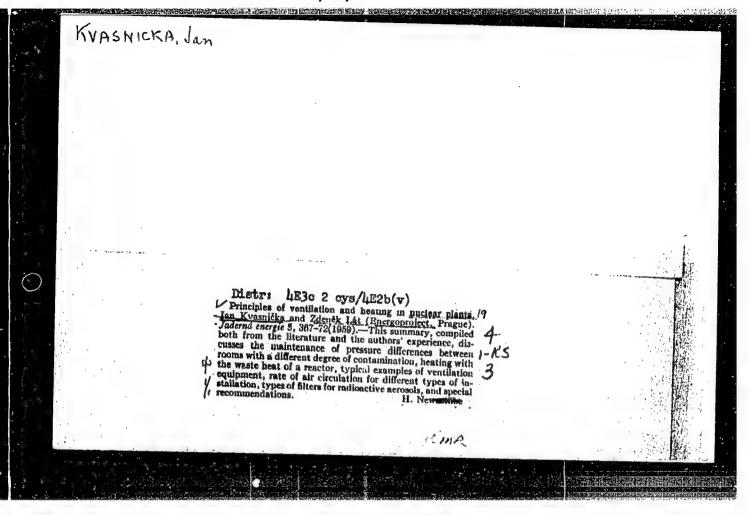
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ERBEN, J.; BELOBRADKOVA, J.; STEFAN, H.; GROH, J.; BARTOS, V.; KRCH, V.; KVASNICKA, J.; NAVRATIL, P. KLAZAROVA, M., technicka spoluprace; SCHROFLOVA, A., technicka spoluprace.

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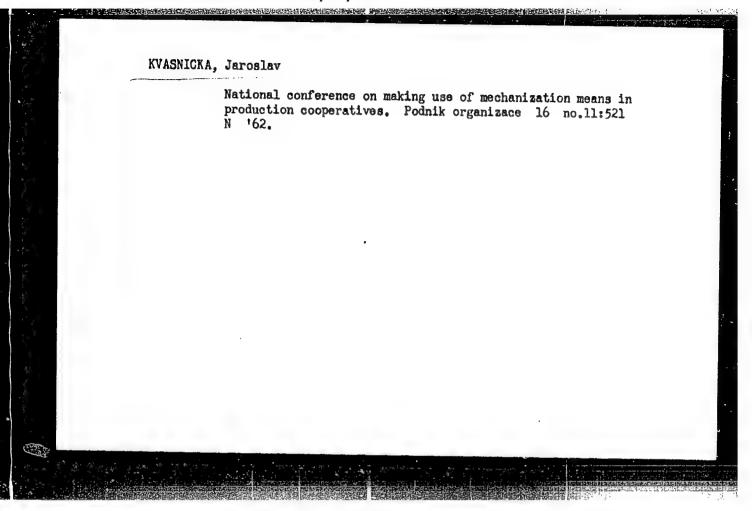


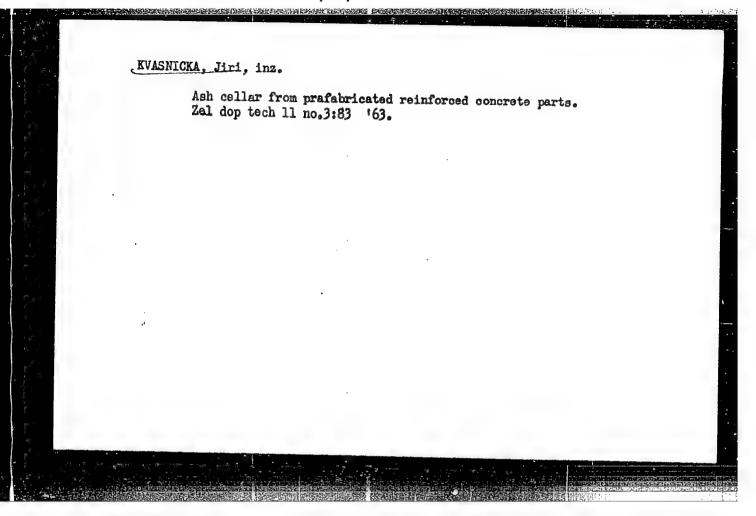
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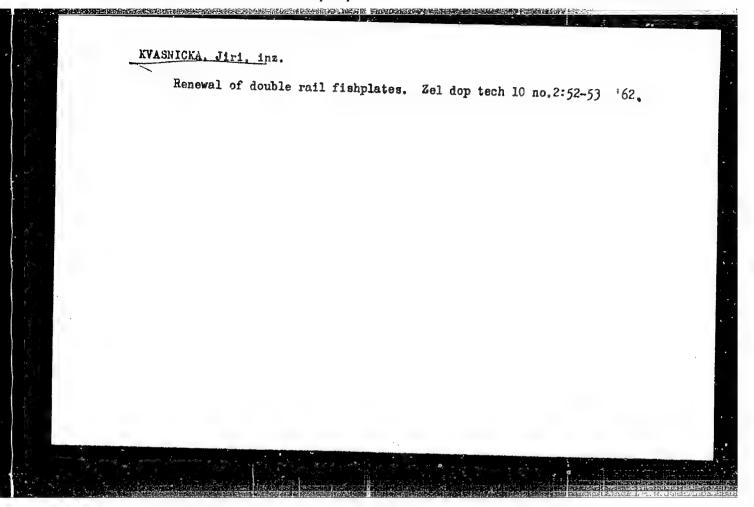
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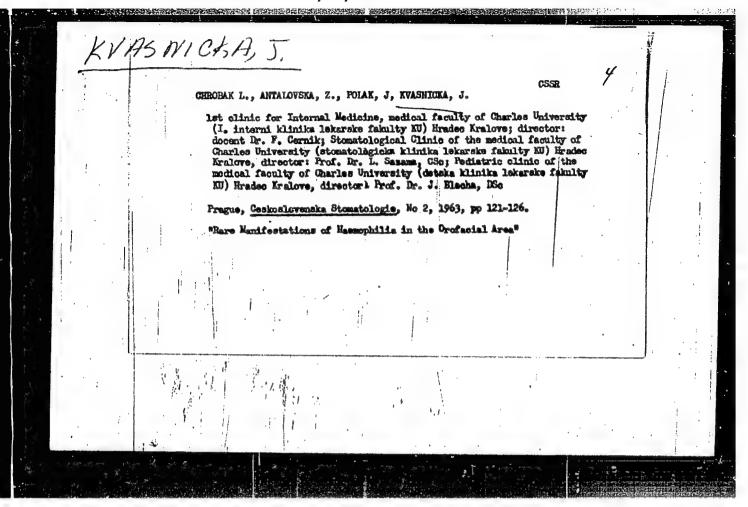
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embolism. of abdom. aorta, late embolectomy (Cz))









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ERBEN, Josef, GROH, Jindrich, LOMSKY, Radovan; SVAB, Jozef; HKROUT,
Vladimir; NOZICKA, Edenek; KVASNICKA, Jiri; BARTOS, Vladimir;
KVASNICKOVA, Rva. Technicka spoluprace :SCHROFLOVA, A.

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Urologicka klinika (prednosta: doc. MUDr. Jozef Svab); Patologicko-anatomicky ustaw (prednosta: DrSc. prof. MUDr. A.
Fingerland) Karlova universita v Hradci Kralove.

GROH, Jindrich; KVASNICKOVA, Eva; KVASNICKA, Jiri; BARTOS, Vladimir; ERBEN, Josef.

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1. I. interni klinika (prednosta: prof. MUDr. F. Cernik) Karlova universita v Hradci Kralove.

KVASNICKA, 9

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CZECHOSLOVAKIA

ERBEN, J; GROH, J; BARTOS, V; KRCH, V; KVASHICKA, J; HAVRATIL, P; PELIKAHOVA, V; SEDLACKOVA, S.

 First Internal Medicine Clinic LF KU (I. vnitrni klinika LF KU), Hradec Kralovy; 2. Urological Clinic LF KU), (Urologicka klinika LF KU), Hradec Kralovy

Brno, Vnitrni lekarstvi, No 9, 1963, pp 892-899

"Our Experience with the Treatment with Hemodialysis (I. Some Methodological Remarks, Indications and Analysis of Complications."

CHECHOSLOVALIA

ERBEH, J; GROH, J; BARTOS, V; KRCH, V; KVASHICKA, J; NAVRATIL, P.

1. Chair of Internal Medicine of LFAU (Katedra unitrniho lekarstvi LFAU), Hradec Kralove; 2. Urological Clinic of LFAU (Urologicka klinika LFAU), Hradec Kralove

Prague, Vnitrui lekarstvi, No 10, 1963, pp 990-999

"Treatment of Acute Anuria by Hemodialysis (II)."

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KVASNICKA, Jiri; KVASNICKOVA, Eva; GROH, Jindrich; DANICKOVA, Zdena; BARTOS, Vladimir; ERHEN, Josef. Techn. spoluprace VAVROVA, Eva.

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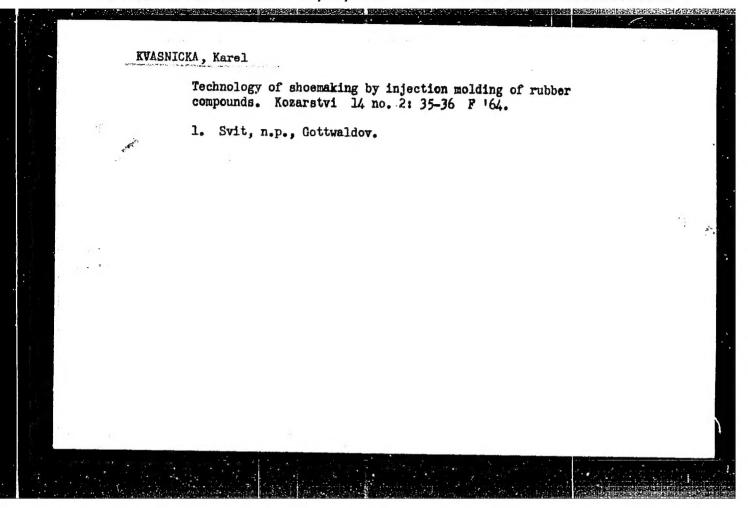
1. I. interni klinika (prednosta: prof. MUDr. F. Cernik) Karlovy University v Hradci Kralove.

ENDRYS, Jiri; STE WHARE, Leo; PROCHAZKA, Jaroslav; SLEZAK, Premysl; KOSMAK, latvan; KVASNICKA, Jiri; REZAC, Vaclav.

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J. Prochazka) Karlovy University v Hradei Kralove.



Cooperation of the department of work hygiene with the insurance physicians. Pracovni lek. 6 no.5:318-319 15 Oct 54.

(INDUSTRIAL HYGIENE

in Czech., cooperation of department of work hygiene with insurance physicians)

(HEALTH INSURANCE

in Czech., cooperation with department of work hygiene)